

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

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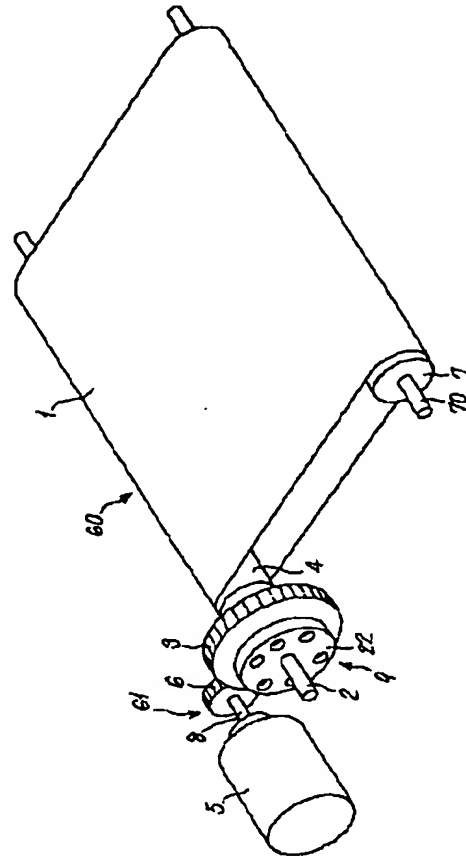
APPLICATION DATE : 26-02-01
APPLICATION NUMBER : 2001049689

APPLICANT : RICOH CO LTD;

• INVENTOR : KATO MASAHIKO;

• INT.CL. : F16F 15/31 G03G 15/00 G03G 15/16
G03G 21/00

TITLE : BELT ROTATION DRIVE DEVICE AND
IMAGING DEVICE



ABSTRACT : PROBLEM TO BE SOLVED: To reduce the vibration and speed fluctuation of a belt wound around a rotating body, by reducing a vibration component which is a contributing factor of rotating speed fluctuation and obtaining the stable rotation of the rotating body.

SOLUTION: A belt rotation drive device comprises: a rotating body system 60 supporting the rotating body 4 around which a belt 1 is wound; a drive system 61 having a rotation drive source 5 rotating and driving the rotating body system; a drive transmission 62 for coupling the rotating body system and the drive system. In this belt rotation drive device, a centrifugal pendulum damping means 9 is provided to at least the rotating body system 61.

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PUBLICATION NUMBER : 62040442
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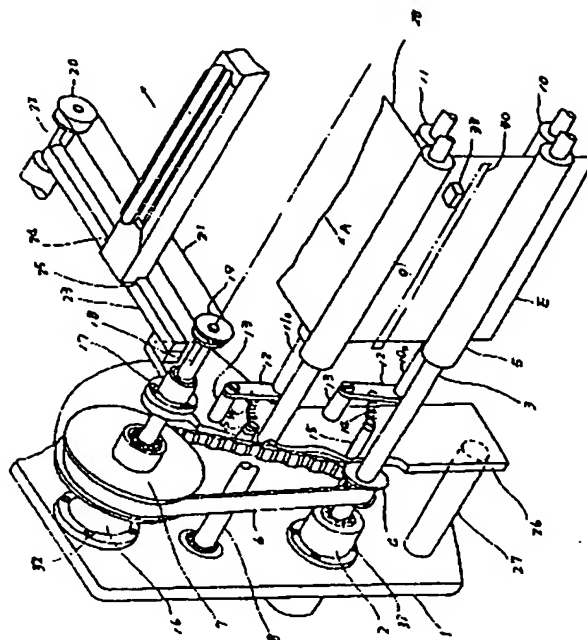
APPLICATION DATE : 16-08-85
APPLICATION NUMBER : 60180703

APPLICANT : KONISHIROKU PHOTO IND CO LTD;

INVENTOR : YANATORI HIROMI;

INT.CL. : G03B 27/50 G03G 15/00 G03G 15/04

TITLE : SCAN EXPOSURE TYPE COPYING
DEVICE



ABSTRACT : PURPOSE: To obtain a copied picture with high quality free from unevenness of density, blotted developing or layered irregularity by providing a flywheel that transmits driving force to at least a part of a carrying device and to a scanning device for exposure, and thereby eliminating vibration and irregularity of rotation.

CONSTITUTION: To rotate a sheet carrying system at all times, a driving roller 5 is fixed to a shaft 3 together with a toothed pulley 4 and directly connected by a coupling to a motor 2 having a reduction gear attached to the wall of the body. Turning force of the motor 2 is transmitted to a toothed pulley 7 that acts as a flywheel through a toothed belt 6. A driving pulley 19 of a running wire 21 of a scanning exposure stand 24 is fixed to the toothed pulley 7 and fitted to a shaft 18 fixed to the output hub of an electromagnetic clutch 16. As the toothed pulley 17 that acts as a flywheel absorbs irregularity of rotation and vibration, the movement of the scanning exposure stand is smooth, and uniform speed running synchronized with carried photosensitive material sheet can be maintained.

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